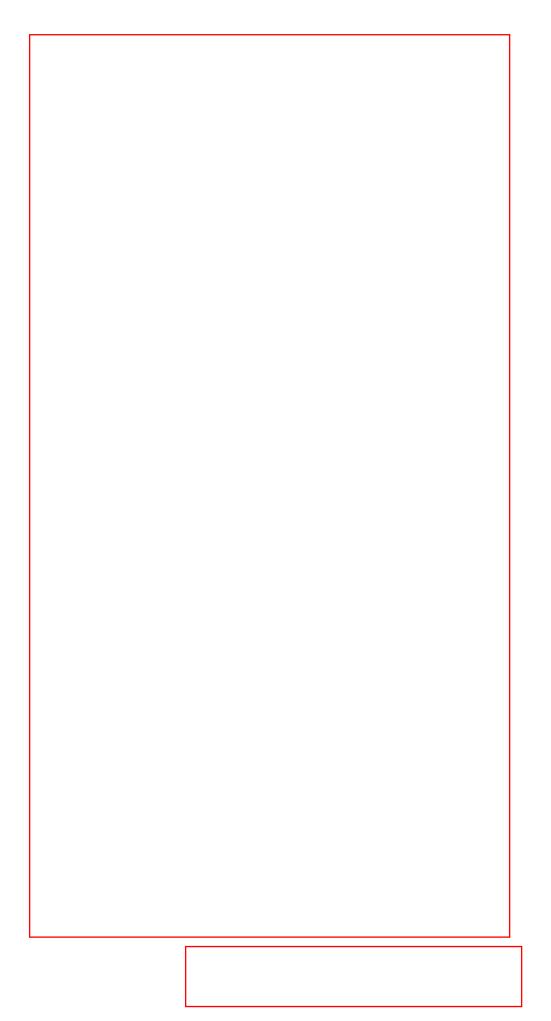
Analytical Report	DATE: November 19, 2010			
TO: {	}			
FROM: {	}			
Molecular Weight Distribution of {				
<u>Abstract</u>				
} was determined us multiangle light scatter refractometer. Such as (column calibration) with	reight distribution of a { } of { sing multidetector size exclusion chromatography, equipped with ng photometer, capillary viscometer and differential n approach allows one to produce molar mass elution profile thout any additional polymer standards. The mobile phase was }, which was also a {			
Request/Need				
{				
	}			
Results and Discussion				
The traces from three on-line detectors, light scattering, viscometer and refractive index, as functions of elution volume V, together with the molar mass (M) elution profile, are shown for { }. This profile is obtained as a				
	1			

ratio of the excess Raleigh ratio from the LS chromatogram to polymer concent from the RI chromatogram, measured across the entire polymer distribution and with a polynomial as Log M vs. V.				
<pre>{ }. Light scattering } and refractive index { } chromatogran { }. { }.</pre>	ns for			
The molar mass elution profile together with the refractive index chromatogram shown in { }, were used to generate molecular weight distribution (MWD), shown in { }. The MWD describes a normalized distribution of weight fractions of macromolecules, dwt/dlogM, plotted against logarithm of their masses. Average molar masses, shown in { }, are calculated as corresponding statistical moments of this distribution. Finally, { } demonstrates { }.				
	_			

{	}. Molecular weight distribution for { }.	}. {	

{	}
Sample Name { }	





Experimental Section

System: Size exclusion chromatography system Model Alliance 2690TM from Waters Corporation (Milford, MA), with a Waters 414TM differential refractive index detector (DRI) and Wyatt Technologies (Santa Barbara, CA) multiangle light scattering detector Model DAWN 8+ and differential capillary viscometer detector ViscoStar .

Software for data acquisition and reduction: Astra® version 5.4 by Wyatt and Waters Empower version 2 by Waters.

```
Columns for separation: {

Mobile Phase: {
    }

Chromatographic Conditions: Temperature: 35°C, {
    }

Sample Preparation: {
```

Data reduction method: triple detection method incorporating data from all three detectors: refractometer, viscometer and light scattering photometer (8 scattering angles). No standard for column calibration is involved in the data processing